

## EAST Search History

| Ref # | Hits    | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|--|------------------|---------|------------------|
| L1    | 175771  | "sio.sub.2"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/10/26 10:29 |
| L2    | 55084   | antireflect\$5 (anti adj reflect\$5)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | OFF     | 2006/10/26 10:29 |
| L3    | 5302    | antiglar\$4 (anti adj glar\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/10/26 10:29 |
| L4    | 17224   | low with refract\$5 with index with (layer film sheet)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/10/26 10:29 |
| L5    | 20761   | high with refract\$5 with index with (layer film sheet)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/10/26 10:29 |
| L6    | 1894    | ((L2 L3) same L4 same L5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/10/26 11:15 |
| L7    | 1075436 | ((titanium aluminum zirconium cerium iron ferric ferrous tin stannic stannous) adj2 (oxide dioxide)) titania alumina zirconia ceria                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/10/26 10:29 |
| L8    | 595909  | epox\$6 diepox\$6 polyepox\$6 glycidyl\$ diglycidyl\$ polyglycidyl\$ oxetane  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/10/26 10:29 |
| L9    | 1479322 | acrylic methacrylic vinyl styryl polyacrylic polymethacrylic polyvinyl polystyryl acrylate methacrylate polyacrylate polymethacrylate styrene polystyrene | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/10/26 10:29 |
| L10   | 106013  | (initiator near2 (radical polymeriz\$ photopolymeriz\$)) photoacid (photo adj2 acid)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2006/10/26 11:18 |

## EAST Search History

|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| L11 | 54533 | (silica (silicon adj (oxide dioxide)) "sio2" L1) with (void shell hollow porous vacant cavity microporous microvoid) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 10:48 |
| L12 | 25381 | hardcoat hardcoating (hard adj2 (coat coating))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 10:29 |
| L13 | 168   | L11 and L6   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 10:29 |
| L14 | 2729  | (L7) and ((L5 L12) same (L8 L9))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:07 |
| L15 | 225   | (L11) and ((L4 L12) same (L8 L9))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 10:41 |
| L16 | 57    | L13 and L14 and L15 and L10  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 10:34 |
| L17 | 56    | L13 and L14 and L15 and L10 and 18   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:15 |
| L18 | 2392  | (L7) and ((L5 L12) same (L9))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 10:41 |
| L19 | 124   | (L11) and ((L4 L12) same (L8))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 10:41 |
| L20 | 40    | L13 and L18 and L19 and L10 and 18   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 10:41 |
| L21 | 168   | 16 and 111   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 10:49 |

## EAST Search History

|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| L22 | 14   | (15 same 17) and (15 same 19) and (14 same 111) and (14 same 18) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:09 |
| L23 | 13   | 122 and 110  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:09 |
| L24 | 154  | yoshikawa-yuji.in. yoshikawa-yuji-\$.in.                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:11 |
| L25 | 147  | yamaya-masaaki.in. yamaya-masaaki-\$.in.                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:11 |
| L26 | 286  | L24 L25  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:11 |
| L27 | 11   | 126 and 16   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:12 |
| L28 | 8    | 127 and 110  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:12 |
| L29 | 6    | 127 and 110 and 18 and 19 and 111                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:12 |
| L30 | 945  | (L2 L3).ab. and L4.ab. and L5.ab.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:16 |
| L31 | 2051 | 16 130   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:16 |
| L32 | 71   | 131 and 17 and 18 and 19 and 110 and 111                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/10/26 11:19 |

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|     |        |  |  |    |     |                  |
|-----|--------|--|--|----|-----|------------------|
| L33 | 72     | 131 and 17 and (18 19) and 110 and 111   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/10/26 11:19 |
| L34 | 1      | 133 not 132  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/10/26 11:18 |
| L35 | 141985 | (initiator near2 (radical polymeriz\$ photopolymeriz\$) photocatalyst photoinitiator) photoacid (photo adj2 acid)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/10/26 11:18 |
| L36 | 74     | 131 and 17 and 18 and 19 and 135 and 111   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/10/26 11:24 |
| L37 | 77     | 131 and 17 and (18 19) and 135 and 111   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/10/26 11:19 |
| L38 | 3      | 137 not 136  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/10/26 11:20 |
| S2  | 179814 | epoxy  | USPAT  | OR | OFF | 2005/11/23 10:52 |
| S3  | 48245  | antireflect\$5 (anti adj reflect\$5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/12/09 12:56 |
| S4  | 655608 | ((metal inorganic titanium aluminum zirconium cerium iron ferric ferrous tin stannic stannous) adj2 (oxide dioxide)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 14:22 |
| S5  | 176418 | (average "ave" "ave.") adj2 (particle grain) adj2 (size diameter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 16:32 |
| S6  | 19308  | S4 same S5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 10:56 |
| S7  | 533    | S3 and S6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 10:56 |

## EAST Search History

|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| S8  | 42780 | (silica (silicon adj (oxide dioxide)) "sio2") with (void shell hollow porous vacant) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:49 |
| S9  | 1685  | S8 same S5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 10:57 |
| S10 | 18    | S7 and S9  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 11:02 |
| S11 | 30470 | low with refract\$5 with index   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:27 |
| S12 | 45530 | high with refract\$5 with index  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:27 |
| S13 | 3849  | S3 and S11 and S12   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 11:02 |
| S14 | 164   | S13 and S8   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 11:17 |
| S15 | 59    | S13 and S8 and S5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:11 |
| S16 | 4620  | antiglar\$4 (anti adj glar\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:12 |
| S17 | 51576 | S3 S16   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:12 |
| S18 | 418   | S17 and S11 and S12 and S5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:12 |

## EAST Search History

|     |        |  |  |    |    |                  |
|-----|--------|--|--|----|----|------------------|
| S19 | 63     | S18 and S8   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:27 |
| S20 | 12190  | S8.ab.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:27 |
| S21 | 7      | S18 and S20  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:49 |
| S22 | 157706 | "sio.sub.2"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:49 |
| S23 | 44994  | (silica (silicon adj (oxide dioxide)) "sio2" S22) with (void shell hollow porous vacant) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:21 |
| S24 | 247    | S11 same S23   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:50 |
| S25 | 103    | S17 and S24  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:51 |
| S26 | 1069   | S12 and S23  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:51 |
| S27 | 103    | S24 and S17  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:52 |
| S28 | 149    | S24 and S12  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:52 |
| S29 | 63     | S27 and S28  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 13:52 |

## EAST Search History

|     |         |   |  |    |    |                  |
|-----|---------|---|--|----|----|------------------|
| S30 | 48299   | (silica (silicon adj (oxide dioxide)) "sio2" S22) with (void shell hollow porous vacant cavity)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:38 |
| S31 | 75      | (S11 same S30) and S17 and S12  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:22 |
| S32 | 1006453 | ((titanium aluminum zirconium cerium iron ferric ferrous tin stannic stannous) adj2 (oxide dioxide)) titania alumina zirconia ceria | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 15:08 |
| S33 | 1274542 | acrylic methacrylic vinyl styryl styrene acrylate methacrylate alkenyl  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:24 |
| S34 | 559496  | epox\$6 diepox\$6 polyepox\$4 glycidyl\$ diglycidyl\$ polyglycidyl\$ oxetane  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/12/09 12:49 |
| S35 | 1602753 | S33 S34   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:25 |
| S36 | 43      | S31 and S32 and S35   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:26 |
| S37 | 32      | S31 not S36   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:26 |
| S38 | 15153   | low with refract\$5 with index with (layer film sheet)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:27 |
| S39 | 18513   | high with refract\$5 with index with (layer film sheet)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:27 |
| S40 | 41      | S36 and S38 and S39   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:28 |

## EAST Search History

|     |         |   |  |    |    |                  |
|-----|---------|---|--|----|----|------------------|
| S41 | 2       | S36 not S40   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:28 |
| S42 | 15650   | (silica (silicon adj (oxide dioxide)) "sio2" S22) with (shell hollow vacant cavity)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:41 |
| S43 | 40      | S31 and S42   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:39 |
| S44 | 41      | S31 and S40   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:39 |
| S45 | 9504    | (silica (silicon adj (oxide dioxide)) "sio2" S22) with (hollow cavity)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 15:08 |
| S46 | 36      | S31 and S45   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:42 |
| S47 | 17      | S31 and S45 and S38 and S39 and S35 and S32   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 14:47 |
| S48 | 2       | S11.ab. and S30.ab. and S17.ab. and S12.ab. and S35.ab. and S32.ab.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 15:06 |
| S49 | 1140    | (S3 S16) with S38 with S39  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 15:07 |
| S50 | 1178242 | ((metal inorganic titanium aluminum zirconium cerium iron ferric ferrous tin stannic stannous) adj2 (oxide dioxide)) titania alumina zirconia ceria | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 15:08 |
| S51 | 30884   | (silica (silicon adj (oxide dioxide)) "sio2" S22 S50) with (hollow cavity shell)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:05 |



## EAST Search History

|     |     |  |  |    |     |                  |
|-----|-----|--|--|----|-----|------------------|
| S52 | 56  | S49 and S51  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 15:09 |
| S53 | 49  | S49 and S51 and S35  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 15:35 |
| S54 | 12  | us-20010031317-\$.did. "5874801".pn. ep-1022587-\$.did. ep-1089093-\$.<br>did. ep-778476-\$.did. ep-1279443-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 15:38 |
| S55 | 57  | jp-06011601-\$.did. jp-07060859-\$.did. jp-2000284235-\$.did.<br>jp-2001293813-\$.did. jp-03031571-\$.did. jp-2000204301-\$.did.<br>jp-2000006402-\$.did. jp-2000047004-\$.did. jp-2000143924-\$.did.<br>jp-2000266908-\$.did. jp-2000329903-\$.did. jp-2001164117-\$.did.<br>jp-02800258-\$.did. jp-10147740-\$.did. jp-08313704-\$.did.<br>jp-2001264508-\$.did. jp-2002022905-\$.did. jp-2002053804-\$.did.<br>jp-2002053805-\$.did. jp-2002069426-\$.did. jp-2001316604-\$.did.<br>jp-2001031891-\$.did. jp-2000079600-\$.did. jp-2001163906-\$.did.<br>jp-2000017099-\$.did. jp-2001233611-\$.did. jp-2002079616-\$.did.<br>jp-09227169-\$.did. jp-03225859-\$.did. jp-2001315285-\$.did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 15:56 |
| S56 | 57  | jp-06011601-\$.did. jp-07060856-\$.did. jp-2000284235-\$.did.<br>jp-2001293813-\$.did. jp-03031571-\$.did. jp-2000204301-\$.did.<br>jp-2000006402-\$.did. jp-2000047004-\$.did. jp-2000143924-\$.did.<br>jp-2000266908-\$.did. jp-2000329903-\$.did. jp-2001164117-\$.did.<br>jp-28000258-\$.did. jp-10147740-\$.did. jp-08313704-\$.did.<br>jp-2001264508-\$.did. jp-2002022905-\$.did. jp-2002053804-\$.did.<br>jp-2002053805-\$.did. jp-2002069426-\$.did. jp-2001316604-\$.did.<br>jp-2001031891-\$.did. jp-2000079600-\$.did. jp-2001163906-\$.did.<br>jp-2000017099-\$.did. jp-2001233611-\$.did. jp-2002079616-\$.did.<br>jp-09227169-\$.did. jp-03225859-\$.did. jp-2001315285-\$.did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 16:00 |
| S57 | 1   | jp-2800258-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 16:01 |
| S58 | 1   | 1991-011610.NRAN.  | DERWENT  | OR | OFF | 2005/11/23 16:01 |
| S59 | 58  | S56 S57  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 16:02 |
| S60 | 2   | S59 and S51  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 16:05 |
| S61 | 149 | yoshikawa-yuji.in. yoshikawa-yuji-\$.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/11/23 16:03 |

## EAST Search History

|     |       |   |  |    |    |                  |
|-----|-------|---|--|----|----|------------------|
| S62 | 138   | yamaya-masaaki.in. yamaya-masaaki-\$.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:04 |
| S63 | 273   | S61 S62   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 08:28 |
| S64 | 91221 | (silica (silicon adj (oxide dioxide)) "sio2" S22 S50) with (void shell hollow porous vacant cavity)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:31 |
| S65 | 3     | S59 and S64   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:06 |
| S66 | 5     | S63 and S64   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:10 |
| S67 | 37298 | 428/332.ccls. 428/402.ccls. 428/409.ccls. 428/413.ccls. 428/414.ccls. 428/415.ccls. 428/416.ccls. 428/417.ccls. 428/418.ccls. 428/500.ccls. 428/515.ccls. 428/522.ccls. 428/523.ccls. 427/162.ccls. 427/164.ccls. 427/165.ccls. 427/180.ccls. 427/201.ccls. 427/202.ccls. 427/203.ccls. 427/204.ccls. 427/402.ccls. 427/407.1.ccls. 427/407.2.ccls. 427/410.ccls. 427/419.2.ccls. 427/419.3.ccls. 427/419.5.ccls. 427/419.8.ccls. 349/137.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:22 |
| S68 | 1132  | (S3 S16) and S67  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:22 |
| S69 | 92    | S68 and S64   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:23 |
| S70 | 79    | S68 and S64 and S32   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:23 |
| S71 | 63    | S68 and S64 and S32 and S35   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:24 |
| S72 | 15    | S68 and S64 and S32 and S35 and S51   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:25 |

## EAST Search History

|     |        |   |  |    |    |                  |
|-----|--------|---|--|----|----|------------------|
| S73 | 48     | S71 not S72   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:27 |
| S74 | 507    | ((S3 S16) same S38 same S39) and ("428"/\$.ccls. "427"/\$.ccls. "349"/\$.ccls.)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:28 |
| S75 | 84     | S64 and S74   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:29 |
| S76 | 75     | S64 and S74 and S35 and S32   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/12/09 12:57 |
| S77 | 48299  | (silica (silicon adj (oxide dioxide)) "sio2" S22) with (void shell hollow porous vacant cavity) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:31 |
| S78 | 687363 | (particle grain) near3 (size diameter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:32 |
| S79 | 45     | S76 and S77 and S78   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/11/23 16:32 |
| S80 | 2      | "6657691"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/12/09 12:49 |
| S81 | 561240 | epox\$6 diepox\$6 polyepox\$4 glycidyl\$ diglycidyl\$ polyglycidyl\$ oxetane                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/12/09 12:50 |
| S82 | 1      | S80 and S81   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/12/09 12:55 |
| S83 | 5741   | photoacid (photo adj acid)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/12/09 12:55 |

## EAST Search History

|     |         |   |  |    |     |                  |
|-----|---------|---|--|----|-----|------------------|
| S84 | 0       | S82 and S83   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 12:55 |
| S85 | 48547   | antireflect\$5 (anti adj reflect\$5)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/12/09 12:56 |
| S86 | 952     | S83 and S85   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/12/09 12:56 |
| S87 | 48547   | antireflect\$5 (anti adj reflect\$5)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2005/12/09 12:57 |
| S88 | 4653    | antiglar\$4 (anti adj glar\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 12:57 |
| S89 | 158563  | "sio.sub.2"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 12:57 |
| S90 | 1009651 | ((titanium aluminum zirconium cerium iron ferric ferrous tin stannic stannous) adj2 (oxide dioxide)) titania alumina zirconia ceria | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 14:06 |
| S91 | 1277725 | acrylic methacrylic vinyl styryl styrene acrylate methacrylate alkenyl  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 12:57 |
| S92 | 561240  | epox\$6 diepox\$6 polyepox\$4 glycidyl\$ diglycidyl\$ polyglycidyl\$ oxetane  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 14:07 |
| S93 | 1606817 | S91 S92   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 12:57 |
| S94 | 15229   | low with refract\$5 with index with (layer film sheet)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 12:57 |

## EAST Search History

|      |         |   |  |    |     |                  |
|------|---------|---|--|----|-----|------------------|
| S95  | 18598   | high with refract\$5 with index with (layer film sheet)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 12:57 |
| S96  | 1182196 | ((metal inorganic titanium aluminum zirconium cerium iron ferric ferrous tin stannic stannous) adj2 (oxide dioxide)) titania alumina zirconia ceria | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 12:57 |
| S97  | 91540   | (silica (silicon adj (oxide dioxide)) "sio2" S89 S96) with (void shell hollow porous vacant cavity)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 14:03 |
| S98  | 510     | ((S87 S88) same S94 same S95) and ("428"/\$.ccls. "427"/\$.ccls. "349"/\$.ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 14:04 |
| S99  | 75      | S97 and S98 and S93 and S90   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 13:05 |
| S100 | 7       | S99 and S83   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 13:20 |
| S101 | 2       | us-20050109238-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 13:20 |
| S102 | 0       | S101 and S83  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/12/09 13:20 |
| S103 | 165408  | "sio.sub.2"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 14:04 |
| S104 | 51842   | (silica (silicon adj (oxide dioxide)) "sio2" S103) with (void shell hollow porous vacant cavity microporous)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 15:11 |
| S105 | 51029   | antireflect\$5 (anti adj reflect\$5)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/04/26 14:04 |

## EAST Search History

|      |         |   |  |    |    |                  |
|------|---------|---|--|----|----|------------------|
| S106 | 4873    | antiglar\$4 (anti adj glar\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:04 |
| S107 | 16026   | low with refract\$5 with index with (layer film sheet)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:04 |
| S108 | 19473   | high with refract\$5 with index with (layer film sheet)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:04 |
| S109 | 1727    | ((S105 S106) same S107 same S108)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:05 |
| S110 | 130     | S104 and S109   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 15:15 |
| S111 | 1035750 | ((titanium aluminum zirconium cerium iron ferric ferrous tin stannic stannous) adj2 (oxide dioxide)) titania alumina zirconia ceria                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:06 |
| S112 | 574899  | epox\$6 diepox\$6 polyepox\$6 glycidyl\$ diglycidyl\$ polyglycidyl\$ oxetane  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:08 |
| S113 | 100     | S110 and S111   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:09 |
| S114 | 1434431 | acrylic methacrylic vinyl styryl polyacrylic polymethacrylic polyvinyl polystyryl acrylate methacrylate polyacrylate polymethacrylate styrene polystyrene | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:10 |
| S115 | 91      | S113 and (S112 S114)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:16 |
| S116 | 91997   | initiator near2 (radical polymeriz\$) photoacid (photo adj2 acid)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 16:26 |

## EAST Search History

|      |       |  |  |    |    |                  |
|------|-------|--|--|----|----|------------------|
| S117 | 40    | S115 and S116  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:24 |
| S118 | 256   | (S108 same S111) and (S108 same (S112 S114))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 15:14 |
| S119 | 41    | (S107 same S104) and (S107 same (S112 S114))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 15:14 |
| S120 | 15    | S118 and S119  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:28 |
| S121 | 15    | S118 and S119 and S110   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:31 |
| S122 | 12    | S118 and S119 and S110 and S116  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:34 |
| S123 | 91    | S115   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:35 |
| S124 | 40    | S115 and S116  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:35 |
| S125 | 97988 | ((silica (silicon adj (oxide dioxide)) "sio2" S103) with (void shell hollow porous vacant cavity microporous)) ((silica (silicon adj (oxide dioxide)) "sio2" S103) with particle with (size diameter))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:53 |
| S126 | 91    | S115 and S125  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:53 |
| S127 | 8195  | ((silica (silicon adj (oxide dioxide)) "sio2" S103) with (void shell hollow porous vacant cavity microporous)) and ((silica (silicon adj (oxide dioxide)) "sio2" S103) with particle with (size diameter)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:53 |

## EAST Search History

|      |        |   |  |    |    |                  |
|------|--------|---|--|----|----|------------------|
| S128 | 50     | S115 and S127   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:54 |
| S129 | 101426 | (initiator near2 (radical polymeriz\$ photopolymeriz\$)) photoacid (photo<br>adj2 acid)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 08:32 |
| S130 | 30     | S128 and S129   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 14:54 |
| S131 | 51860  | (silica (silicon adj (oxide dioxide)) "sio2" S103) with (void shell hollow<br>porous vacant cavity microporous microvoid) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 15:13 |
| S132 | 23963  | hardcoat hardcoating (hard adj2 (coat coating))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 15:13 |
| S133 | 970    | ((S108 S132) same S111) and ((S108 S132) same (S112 S114))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 15:16 |
| S134 | 66     | ((S107 S132) same S131) and ((S107 S132) same (S112 S114))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 15:17 |
| S135 | 130    | S131 and S109   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 16:26 |
| S136 | 24     | S135 and S133 and S134  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 15:15 |
| S137 | 2459   | (S111) and ((S108 S132) same (S112 S114))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 15:16 |
| S138 | 181    | (S131) and ((S107 S132) same (S112 S114))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/04/26 15:17 |



## EAST Search History

|      |      |                                 |  |    |     |                  |
|------|------|---------------------------------|--|----|-----|------------------|
| S139 | 51   | S135 and S137 and S138          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 15:18 |
| S140 | 37   | S135 and S137 and S138 and S129 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/10/26 10:29 |
| S141 | 2    | us-20040156110-\$.did.          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 15:55 |
| S142 | 1    | 2002-698876.NRAN.               | DERWENT  | OR | OFF | 2006/04/26 15:42 |
| S143 | 0    | wo-2002075373-\$.did.           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 15:56 |
| S144 | 0    | wo-20020075373-\$.did.          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 15:56 |
| S145 | 0    | wo-020075373-\$.did.            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 15:56 |
| S146 | 0    | wo-02075373-\$.did.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 15:56 |
| S147 | 1    | wo-200275373-\$.did.            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 15:56 |
| S148 | 1    | 2002-698876.NRAN.               | DERWENT  | OR | OFF | 2006/04/26 15:57 |
| S149 | 6417 | photoacid (photo adj2 acid)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 16:26 |
| S150 | 14   | S131 and S109 and S149          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/04/26 16:26 |

## EAST Search History

|      |       |   |  |    |     |                  |
|------|-------|---|--|----|-----|------------------|
| S151 | 154   | yoshikawa-yuji.in. yoshikawa-yuji-\$.in.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/05/01 08:28 |
| S152 | 141   | yamaya-masaaki.in. yamaya-masaaki-\$.in.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/05/01 08:28 |
| S153 | 280   | S151 S152   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/10/26 11:11 |
| S154 | 16044 | low with refract\$5 with index with (layer film sheet)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/05/01 08:30 |
| S155 | 16044 | S154  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/05/01 08:30 |
| S156 | 51107 | antireflect\$5 (anti adj reflect\$5)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/05/01 08:31 |
| S157 | 4885  | antiglar\$4 (anti adj glar\$4)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/05/01 08:31 |
| S158 | 19493 | high with refract\$5 with index with (layer film sheet) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/05/01 08:31 |
| S159 | 1729  | ((S156 S157) same S154 same S158)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/05/01 08:31 |
| S160 | 1729  | S159  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/05/01 08:31 |
| S161 | 10    | S153 and S160   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/05/01 08:31 |

## EAST Search History

|      |        |   |  |    |    |                  |
|------|--------|---|--|----|----|------------------|
| S162 | 101516 | (initiator near2 (radical polymeriz\$ photopolymeriz\$)) photoacid (photo<br>adj2 acid) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 08:32 |
| S163 | 7      | S161 and S162   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/05/01 08:32 |